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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	) Attorney Docket No.: ASAIN0103
Kiwamu KASE et al.	) Confirmation No. 7229
Serial No.: 10/058,905	)
Filed: January 30, 2002	) Group Art Unit: 2671
For: STORAGE METHOD OF	)
SUBSTANTIAL DATA	) Examiner: Peter PAPPAS
INTEGRATING SHAPE AND	)
PHYSICAL PROPERTIES	) Date: August 8, 2005

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this Information Disclosure Statement in connection with the above-identified application is being filed in accordance with 37 C.F.R. §1.97(c).

The documents identified on forms PTO/SB/08A&B are relevant as follows.

Document A is the Japanese Publication corresponding to the Japanese Priority Document JP 2001-025023. Document F is a partial English machine translation of a portion of Document A, including paragraph [0033]. The relevance of these documents is discussed in Amendment (D).

Document B is not prior art, but pertains to a non-patent publication (in press) corresponding to the subject matter of the present application. Document C is not prior art, but pertains to a non-patent publication corresponding to the subject matter of the present

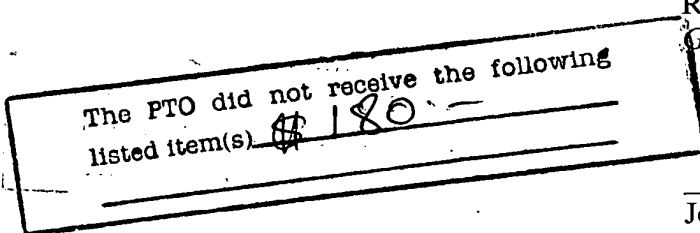
08/10/2005 MBEYENE1 00000012 501281 10058905

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application. Document D is a copy of an Office Action from the European Patent Office in corresponding European Application No. EP 02 002 407.1-1225, and its relevance is believed to be clear from the European Action. Document E is a copy of a response to the summons to attend Oral Proceedings of March 16, 2005, regarding European Application No. EP 02 002 407.1-1225, and its relevance is believed to be clear from the contents of the document. Accordingly, no further comment regarding the disclosures of these documents is believed to be required.

It is respectfully requested that the attached documents be considered and officially cited, and that a copy of Forms PTO/SB/08A&B be initialed by the Examiner to indicate that the documents have been considered and returned to the undersigned.

The requisite fee of \$180.00 is attached herewith. It is believed that the present Information Disclosure Statement complies with the requirements of 37 C.F.R. § 1.97-8, but the Director is hereby authorized to charge any additional fees to Deposit Account No. 50-1281.



Respectfully submitted,  
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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet 1 of 2

**Complete if Known**

Application Number	10/058,905
Filing Date	January 30, 2002
First Named Inventor	Kiwamu KASE et al.
Art Unit	2671
Examiner Name	Peter PAPPAS
Attorney Docket Number	ASAIN0103

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

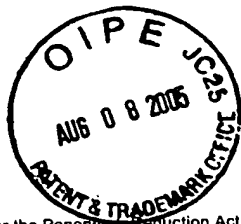
Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

TO: Commissioner for Patents, Washington, DC 20231.

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PTO/SB/08B (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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<b>Substitute for form 1449B/PTO</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		<b>Application Number</b>	10/058,905
<b>Sheet</b>	2	<b>of</b>	2
		<b>Filing Date</b>	January 30, 2002
		<b>First Named Inventor</b>	Kiwamu KASE et al.
		<b>Group Art Unit</b>	2671
		<b>Examiner Name</b>	Peter Pappas
		<b>Attorney Docket Number</b>	ASAIN 0103

<b>OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	B	K. KASE et al., Volume CAD--CW-complexes based approach, Computer-Aided Design (in press).	
	C	Developing Volume-CAD as the basis for next generation manufacturing, RIKEN News, March 2005, 9 pages, at <a href="http://www.riken.go.jp/engn/r-world/info/release/news/2005/mar/">www.riken.go.jp/engn/r-world/info/release/news/2005/mar/</a> .	
	D	Office Action regarding EP Application No. 02 002 407.1-1225, European Patent Office, dated January 1, 2004, 6 pages.	
	E	Response to the Summons to attend Oral Proceedings of March 16, 2005, dated May 6, 2005, regarding EP Application No. 02 002 407.1-1225, 7 pages.	
	F	Partial English machine translation, including paragraph [0033], of JP 2002-230054, provided by the Japanese Patent Office, 4 pages.	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**120.00****Complete if Known**

Application Number	10/058,905
Filing Date	January 30, 2002
First Named Inventor	Kiwamu KASE et al.
Examiner Name	P. Pappas
Art Unit	2671
Attorney Docket No.	ASAIN0103

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: **501281** Deposit Account Name: **Griffin & Szipl, P.C.**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

**Total Claims** - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20

**Indep. Claims** - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ **Fee Paid (\$)**

HP = highest number of independent claims paid for, if greater than 3

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number)	_____ x _____ = _____	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: **Petition for Extension of Time****120.00****SUBMITTED BY**

Signature		Registration No. <b>31,799</b> (Attorney/Agent)	Telephone <b>(703) 979-5700</b>
Name (Print/Type)	<b>Joerg-Uwe Szipl</b>	Date <b>August 8, 2005</b>	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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